AMENDMENTS TO THE CLAIMS

Please amend claims 1, 2, 5, and 6. The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently amended) A flexible garment system which is capable of emitting heat when an electrical current is applied, the flexible garment system comprising: ~~an electrically insulating fiber base structure with~~

(i) an electrically and thermally conductive area integrated into an electrically insulating fiber base structure, and

(ii) at least two yarn-based power supply lines integrated into the fiber base structure, each of the power supply lines directly attached to a power supply and an electrical connector contacting the electrically and thermally conductive area;

~~, all of which are incorporated~~

wherein the conductive area and power supply lines are integrated into the fiber base structure during manufacture of the fiber base structure ~~flexible garment system~~.

2. (Currently Amended) The garment of claim 1 wherein the electrically insulating fiber base structure is woven, knitted or non-woven fabric made of natural, regenerated or synthetic fibers.

3. (Previously Presented) The garment of claim 1 wherein the electrically and thermally conductive area comprises a woven, knitted or non-woven fabric made of a fiber selected from the group consisting of:

a.) Metal fibers,

b.) Carbon fibers,

c.) Metallised polymer fibers,

d.) Conductive polymer coated fibers,

e.) Conductive polymer fibers, and

f.) a combination of these materials.

4. (Previously Presented) The garment of claim 1, wherein the electrically and thermally conductive area comprises a woven, knitted or non-woven fabric made of fibers selected from the group consisting of metal fibres, carbon fibres, metallized polymer fibres, conductive polymer coated fibres, conductive polymer fibres and a combination thereof, blended with a woven, knitted or non-woven fabric made of natural, regenerated or synthetic fibres.

5. (Currently Amended) The garment of ~~as described in~~ claim 1, wherein the garment is [[that]] is powered by connection to a self-contained power supply.

6. (Currently Amended) The garment of ~~according to~~ claim 1 further comprising an additional base structure with a thermally conductive area applied thereto.